

Model:

DUNE RACER / DUNE RACER PRO
DUNE RACER XB / DUNE RACER XB PRO
DUNE RACER XT / DUNE RACER XT PRO

Features:

4 Wheel Drive.

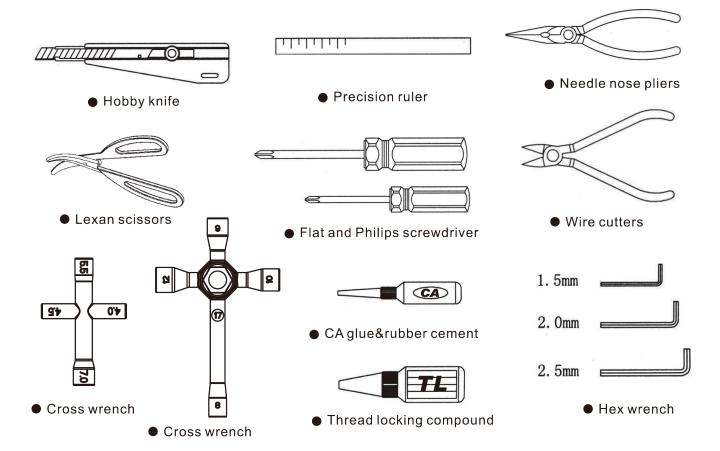
Ball Differential Box.

Completely waterproof, driving all whether! Buggy, Truck, Rollage three different bodies.

Instruction Manual

Required equipment for operation

1. Tools required for building and maintenance:



WARNING!

Do not use a power screw driver to install screws into nylon or plastic materials. The fast locking may heat up the screws being installed that may break the molded parts or strip the threads during installation.

2. Additional items needed for operation:



IMPORTANT!

Check all the screws are tight before playing the vehicle! Use thread lock on all screws that work loose.

Please read the instruction carefully before starting the assembly.

- 1.Please assemble and install this car without children's reach.As it includes small and sharp parts.
- 2.Do not run the car on public streets or highways. As it might cause serious accidents, personal injuries and property damage etc.
- 3. During the middle of racing and after operation, the engine and exhaust will become HOT. Therefore please do not touch them before cooling down.
- 4. Please make sure everyone is using different frequencies while racing the car in the same area.

2.4GHz radio instructions

Special symbols

Please pay attention to the following symbols, and read them carefully.



Danger: If the operator does not operate according to the instructions, it may lead to serious injuries, even mortal danger.



Warning: If the operator does not operate according to the instructions, it may lead to serious injuries, even mortal danger.



Attention: If the operator does not operate according to the instructions, it may lead to serious injuries, even mortal danger.but generally it will not cause serious injuries to the operator.

Safty guidelines

Don't drive the truck at night, bad weather such as rainy or thundering days. It will interfere the transmitter signal. Thereby it will cause out of control and unexpected accident.

Before you drive, please make sure the movement of servo corresponds with the direction of joysticks. If inconsistent, please adjust before drive.

You need to turn the throttle channel(ch2) and inching switch to the lowest before use. Then switch on the transmitter power, finally connect the receiver.

The sequence to shutdown is to turn off the receiver power first, and then the transmitter power.

If the above operations are reversed, it might lead to out of control and cause accident.

Battery charging



If your transmitter, receiver use a nickel-cadmium, nickel-metal hydride rechargeable battery, you have to check it before use. If lack of electricity, it could cause inadequate control or out of control, resulting in accident. So please charge it immediately when the battery power is low.

TRANSMITTER SPECIFICATIONS

TR TYPE: MADGEAR-TRV1

Channel: 3CH

Frequency: 2.4GHz

Use DC: (4.0V-8.6V); ≤110mA

N.W.: 320g

RX TYPE: MADGEAR-RXV1

Channel: 3CH

Frequency: 2.4GHz DC: (4.0V-8.6V); ≤20mA

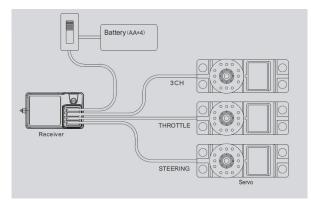
N.W.: 8g

R/F Power: <20dBm; Sensititity: 1024 Modulation: 2-FSK; Frequency Signal: FHSS Specifications: One Set(200*165*105mm)

NOTE:

- 1. Install the batteries in correct polarity.
- 2. Using 4*AA batteres.





BINDING PROCESS:

- 1. Turn on the transmitter, press and hold the CH3 button, the LED on the transmitter should flash in blue color, beeper should sounds B-B-B. Release the CH3 button. The transmitter is ready for the binding process.
- 2. Connect power to the receiver, the receiver LED should flash slowly in green color.
- 3. Place the receiver near the transmitter and press and hold the BIND button on the receiver until the receiver LED flashes rapidly for several times then flash slowly again. This indicates the binding process is completed successfully. Release the BIND button.
- 4. Turn off and turn on the transmitter, the receiver's LED should stay solid in green color. This indicates the transmitter and receiver are bonded.

SERVO DIRECTION:

Reverse the throttle servo direction by pressing the TH R/N button for 2 seconds until the beeper beeps once.

Reverse the steering servo direction by pressing the ST R/N button for 2 seconds until the beeper beeps once.





AUX CHANNEL(3CH)

Press the CH3 button once, servo turns 90 degrees, press again, servo turns back 90 degrees.

NOTE:

During the binding process, the CH3 button functions as a bind button and does not provide channel 3 functionality.



STEERING DUAL RATES ADJUSTMENT (ST.D/R)

Adjust the dual rate for steering by turning the ST D/R knob.



FAIL SAFE SETUP(S/F)

The fail safe function set the throttle to the lowest position automatically when the radio signal is weak or lost.

- 1. Receiver should memorize the setting once it is setup.
- 2. For electrical powered model, the F/S functions is setup by default.
- 3. For gas powered model, put the throttle trigger at the brake position, press and hold the F/S button on the receiver until the LED flashes rapidly in green color for several times, then turns solid. release the F/S button. the F/S setup is completed.
- 4. Redo the F/S setup after each binding process.

Caution: Verify the F/S setup before operation.

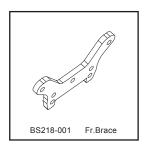
TH.TRIM AND ST.TRIM ADJUSTMENT

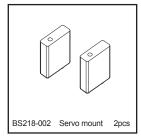
Adjust the throttle trim with the TH TRIM button, adjust the steering trim with the ST TRIM button.

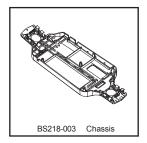
Caution: after each binding process, need to manually adjust the TH TRIM to the lowest position.

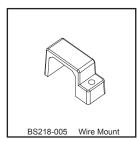


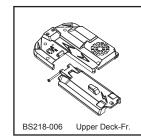
COMMON PARTS

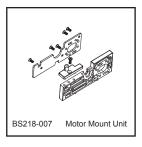


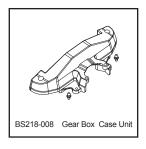




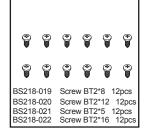








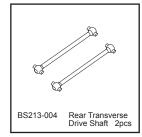




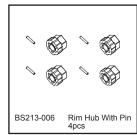


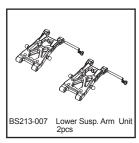




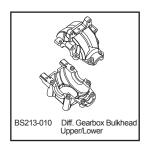


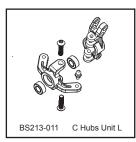


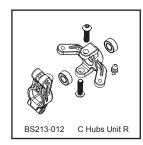


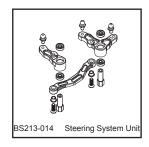


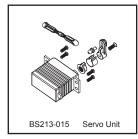








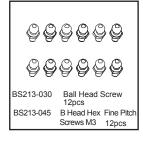


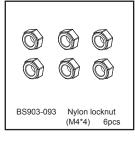


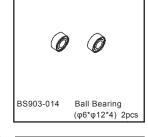


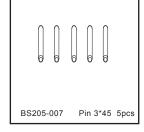


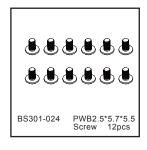


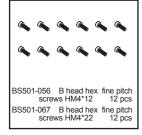


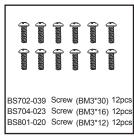




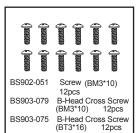








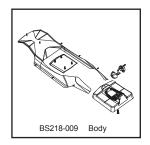


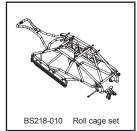


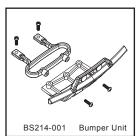


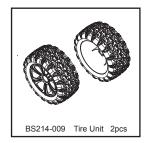
DUNE RACER PARTS



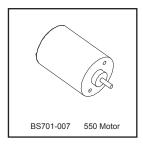




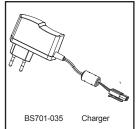




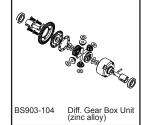








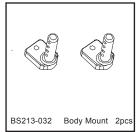


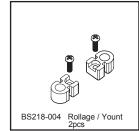






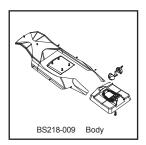


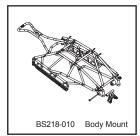


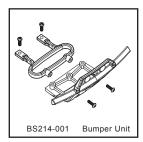


DUNE RACER PRO PARTS



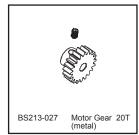






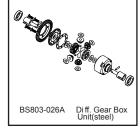








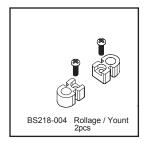


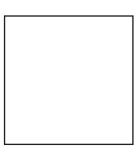


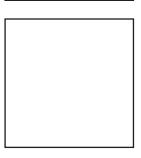










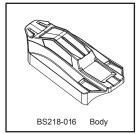


DUNE RACER XB PARTS



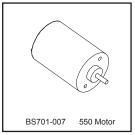




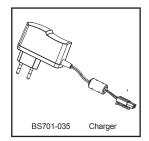


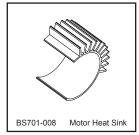


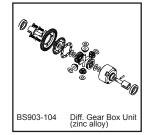






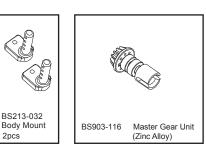


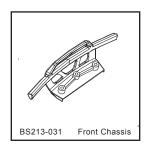


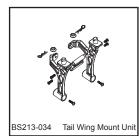












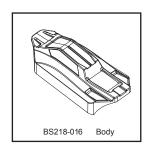
DUNE RACER XB PRO PARTS

2pcs















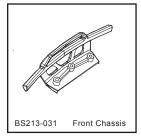




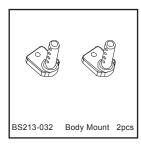


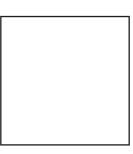






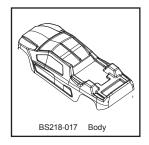


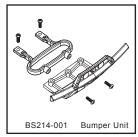


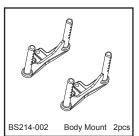


DUNE RACER XT PARTS







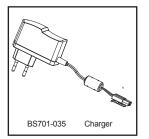




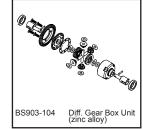








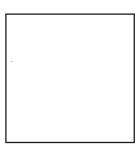


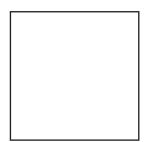






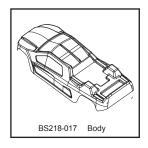


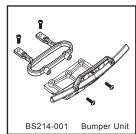


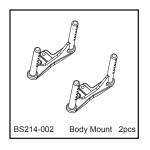


DUNE RACER XT PRO PARTS



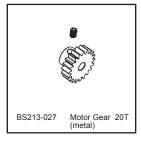






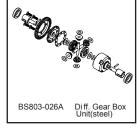


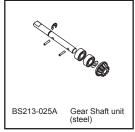






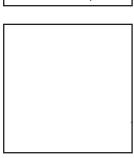


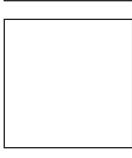


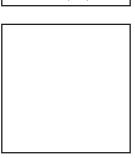












Precautions and Warnings for Use and Handling of Lithium Polymer Battery

Preface

In order to get the optimum performance and reliable safety, consumers shall read and take the following instructions and precautions when use and handle the Lithium Polymer (Li-Po) batteries.

1. Charging

- 1-1 Charging current should not be more than the maximum charge current specified in the Product Specification (normally 0.5C-1.0C or lower). Charging with higher current may damage the cell or even lead to safety problem, e.g. overheating or leakage.
- 1-2 Charging voltage shall not be more than that specified in the Product Specification (4.2V/cell). 4.25V is the maximum charging voltage for each cell. Never charge the battery in series and be sure that each single cell has a separated charging circuit with a max. charging voltage of 4.25V.Or the battery may be overcharged, and lead to fire or explosion. The user is fully responsible to the result of misusing the battery.
- 1-3 Charging temperature: The cell should be charged within the range of temperatures specified in the Product Specification. Stop charging immediately when the surface temperature of the battery is over 50° C.
- 1-4 Reverse charging: Please make sure the polarities of cells are connected properly before charging. Reverse charging is strictly prohibited. Reverse charging cannot charge the cells but will deteriorate their charging/discharging and safety characteristics, or even lead to fire or explosion.

2. Discharging

- 2-1 Discharging current: The cell shall be discharged at the current no more than the maximum discharging current specified in the Product Specification. Over current discharging may damage the battery and cause over-heat.
- 2-2 Operation temperature: Use the battery within the temperature range specified in the Product Specification. Stop using when temperature is over 70° C.
- 2-3 Over-discharging: Over-discharging will deteriorate the cell's performance and characteristics. Do not over-discharge a battery below 2.75V/cell.

3. Storage

If you intend to keep the battery for a long time (3 months or longer), it is strongly recommended that the battery shall be stored under the environment with temperature $10-25^{\circ}$ C, low humidity and without corrosive gas. The battery should be charged every six months to ensure that each cell's storage voltage is $3.6\sim3.9$ V.

Others

- >The aluminum packing foil is very soft that it will be easily left scratches. Please do not hit the cell with any sharp edge parts.
- >Don't fall, hit or bend the battery. It may cause fire or explosion.
- >Short circuit the battery is strictly prohibited, it may damage the battery seriously.
- >Never disassemble the battery. It may cause fire.
- >Never dispose of the battery in fire. It is very dangerous and strictly prohibited.
- >To place the battery into liquid such as water is strictly prohibited.
- >Always remove battery from car when charging. Charging the battery in a car is forbidden and is dangerous.
- >Avoid vibration, shock or extruding the battery. Handle carefully when moving it.

BSD Racing http://www.bsdracing.com